Product Datasheet

Radhound X/I

Hand-held Digital Radiation Meter

The Radhound X/I is an advanced hand-held survey meter with an internal dose rate detector for x-ray and gamma measurement.

Application Areas

- Health physics: for contamination monitoring on surfaces, clothing and objects etc.
- Nuclear medicine departments: suitable for ^{125}I, ^{99m}Tc, etc.
- Radiological survey work and lab use.
- Emergency planning, response and clean up.
- Research applications.

Features

- Clear digital LCD display with backlight.
- GM detector for contamination and dose rate measurements.
- Fully adjustable alarm levels.
- Scaler timer function.
- Peak mode.
- Over range.
- Dose rate range: 0.01 uSv/hr – 2 mSv/hr

Specifications

Mechanical	
Dimensions	165 x 115 x 59 mm (excluding handle)
Weight	Typically 1.4 kg
Units	uSv/hr, mSv/hr, Sv/hr
Display	Large backlit LCD 70 mm x 40 mm Automatic backlight movement sensor – when instrument is picked up, the backlight comes on On screen battery status indication
Main Modes of Operation	Dose rate, integration mode, histogram, peak value Menu gives control of system parameters and multiple probe library

Radiological Performance	
Measured Quantity	Ambient Dose equivalent H*(10)
Dose Rate Range	0.01 uSv/hr – 2 mSv/hr
Energy Response	20 keV – 1.5 MeV

Power	
Battery	Uses 2 x 1.5 V Alkaline C-Cell (or optional Lithium Ion rechargeable)
Battery Life	Typically >8 hours continuous use

Environmental	
Operating Temperature	-10°C to +50°C
Storage Temperature	-25°C to +60°C

Compliance	
Standard Compliance	In conformity with EMC directive (2004/108/EC), EN61326-1 EN61000-3-2, EN6100-3-3 Low Voltage Directive (2006/95/EC) Designed to meet IEC 60325-2006 and IEC 60846-2004 Nuclear Instrumentation Standards

Specifications are subject to change without notice.
For the most up-to-date specifications, please visit www.southernscientific.co.uk

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